CONTENTS

Cited in Biological Abstracts; Elsevier BIOBASE/Current Awareness in Biological Sciences; Current Contents / Life Sciences; EMBASE/ Excerpta Medica; Index Medicus; Informedicus; Pascal M

Special Issue:
Proceedings of the Ares-Serono Foundation Workshop on Developmental Endocrinology: Roles of Genes and Growth Factors During Embryogenesis and Development of Endocrine Structures, Geneva, Switzerland, 18–20 September 1997

Contents

Introduction 1
Genetic control of murine limb morphogenesis: Relationships with human syndromes and evolutionary relevance
T. Kondo, Y. Hérault, J. Zákány, D. Duboule (Switzerland) 3
Imprinting of the mouse *Igf2r* gene depends on an intronic CpG island
A. Wutz, D. P. Barlow (USA, The Netherlands) 9
Cell death and survival during ovarian follicle development
E.A. McGee, S.-Y. Hsu, A. Kaipia, A. J.W. Hsueh (UK) 15
Role of insulin-like growth factor binding proteins in controlling IGF actions
D.R. Clemmons (USA) 19
Discrete stages of anterior pituitary differentiation recapitulated in immortalized cell lines
E. T. Alarid, S. Holley, M. Hayakawa, P. L. Mellon (USA) 25
The PTX family of homeodomain transcription factors during pituitary developments
J. Drouin, B. Lamolet, T. Lamonerie, C. Lanctôt, J.J. Tremblay (Canada) 31
Molecular events involved in differentiation of thyroid follicular cells
C. Missero, G. Cobellis, M. De Felice, R. Di Lauro (Italy) 37
Two transgenic approaches to define the cell lineages in endocrine pancreas development
P.-L. Herrera, L. Orci, J.-D. Vassalli (Switzerland) 45
Candidate genes in complete and partial XY sex reversal: Mutation analysis of *SRY*, *SRY*-related genes and *FTZ*-F1
H.N. Lim, S.H. Freestone, D. Romero, C. Kwok, I.A. Hughes, J.R. Hawkins (UK, U.K) 51
The roles of steroidogenic factor 1 in endocrine development and function
K.L. Parker (USA) 59
Multiple roles for the Wilms' tumour suppressor gene, WT1 in genitourinary development
A. Schedl, N. Hastie (Germany, Scotland, UK) 65
Xist and X chromosome inactivation
G.F. Kay (Australia) 71
The potential role of interleukin-1 in the ovulatory process: An evolving hypothesis
E. Y. Adashi (USA) 77
Role of growth factors in shaping the developing somite
E. Hirsinger, C. Jouve, P. Malapert, O. Pourquié (France) 83
A role of adhesion molecules in neuroglial plasticity
J. Zoltán Kiss (Switzerland) 89
Asphyxial brain injury—the role of the IGF system
P.D. Gluckman, J. Guan, C. Williams, A. Scheepens, R. Zhang, L. Bennet, A. Gunn (New Zealand) 95
Epidermal growth factor tyrosine kinase receptors and the neuroendocrine control of mammalian puberty
S.R. Ojeda, Y.J. Ma (USA) 101
Metabolic control of sexual function and growth: Role of neuropeptide Y and leptin
M.L. Aubert, D.D. Pierroz, N.M. Gruaz, V. d'Allèves, B.A. Vuagnat, F.P. Pralong, W.F. Blum, P.C. Sizonenko (Switzerland, Germany) 107

(Contents continued on next page)

(Contents continued from previous page)

Fetal growth and placental function
M.K. Bauer, J.E. Harding, N.S. Bassett, B.H. Breier, M.H. Oliver, B.H. Gallaher, P.C. Evans, S.M. Woodall, P.D. Gluckman (New Zealand) 115
Physiological role of human placental growth hormone
E. Alsat, J. Guibourdenche, A. Couturier, D. Evain-Brion (France) 121
The IGF system during fetal-placental development of the mouse
M. van Kleffens, C. Groffen, D.J. Lindenbergh-Kortleve, J.W. van Neck, S. González-Parra, N. Dits, E.C. Zwarthoff, S.L. Drop (The Netherlands) 129
The regulation of galanin gene expression in gonadotropin-releasing hormone neurons
P. D. Finn, D. K. Clifton, R. A. Steiner (USA) 137
Growth promotion by insulin-like growth factor I in hypophysectomized and diabetic rats
J. Zapf (Switzerland) 143
The GnRH promoter: Target of transcription factors, hormones, and signaling pathways
S. B. Nelson, S. A. Eraly, P. L. Mellon (USA) 151
Expression of GATA-4 in migrating gonadotropin-releasing neurons of the developing mouse
M.A. Lawson, P.L. Mellon (USA) 157
The development of the adrenal gland zona glomerulosa in the rat. A morphological, immunohistochemical and biochemical study
D. Pignatelli, P. Pinto, M.M. Magalhães, M.C. Magalhães (Portugal) 163
Is there a local IGF-system in human adrenocortical cells?
D. l'Allemand, A. Penhoat, W. Blum, J.M. Saez (Germany, France) 169
Vasoactive intestinal peptide stimulates testosterone production by cultured fetal rat testicular cells
F. El-Gehani, M. Tena-Sempere, I. Huhtaniemi (Finland) 175

Calendar 179
Notes to Authors 184